

UCT0046P2 sequence.txt
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<110> University of Connecticut Health Center
Sarfarazi, Mansoor
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Child, Anne H

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450

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UCT0046P2 sequence.txt

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Met Lys Gly Arg Phe Glu Glu Leu Ser Ala Trp Thr Glu Lys Gln Lys
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115 120 125

UCT0046P2 sequence.txt

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 180 185 190
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 Asp Ala Arg Ser Cys Ala Glu Phe Glu Glu Leu Thr Val Ser Gln Leu
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 Ala Leu Arg Glu Ala Lys Glu Arg Ile Ser Asp Phe Glu Lys Lys Ala
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 Asn Gly His Ser Ser Thr Glu Lys Gln Thr Ala Arg Arg Ala Asp Arg
 275 280 285
 Glu Lys Glu Asp Lys Gly Gln Glu Ser Val Gly Ser Glu Val Glu Thr
 290 295 300
 Leu Ser Ile Gln Val Thr Ser Leu Phe Lys Glu Leu Gln Glu Ala His
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 Thr Lys Leu Ser Glu Ala Glu Leu Met Lys Lys Arg Leu Gln Glu Lys
 325 330 335
 Cys Gln Ala Leu Glu Arg Lys Asn Ser Ala Thr Pro Ser Glu Leu Asn
 340 345 350
 Glu Lys Gln Glu Leu Val Tyr Ser Asn Lys Lys Leu Glu Leu Gln Val
 355 360 365
 Glu Ser Met Arg Ser Glu Ile Lys Met Glu Gln Ala Lys Thr Glu Glu
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370

375

Glu Lys Ser Arg Leu Ala Thr Leu Gln Ala Thr His Asn Lys Leu Leu
385 390 395 400

Gln Glu His Asn Lys Ala Leu Lys Thr Ile Glu Glu Leu Thr Lys Gln
405 410 415

Gln Ala Glu Lys Val Asp Lys Met Leu Leu Gln Glu Leu Ser Glu Lys
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Leu Glu Leu Ala Glu Gln Ala Leu Ala Ser Lys Gln Leu Gln Met Asp
435 440 445

Glu Met Lys Gln Thr Leu Ala Lys Gln Glu Glu Asp Leu Glu Thr Met
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Ala Val Leu Arg Ala Gln Met Glu Val Tyr Cys Ser Asp Phe His Ala
465 470 475 480

Glu Arg Ala Ala Arg Glu Lys Ile His Glu Glu Lys Glu Gln Leu Ala
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Leu Gln Leu Ala Ile Leu Leu Lys Glu Asn Asn Asp Ile Glu Glu Gly
500 505 510

Gly Ser Arg Gln Ser Leu Met Glu Met Gln Cys Arg His Gly Ala Arg
515 520 525

Thr Ser Asp Ser Asp Gln Gln Thr Tyr Leu Phe Gln Arg Gly Ala Glu
530 535 540

Asp Arg Ser Trp Gln His Gly Gln Gln Pro Arg Ser Ile Pro Ile His
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UCT0046P2 sequence.txt

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Thr Glu Asn His Gln Leu Lys Glu Ala Met Lys Leu Asn Asn Gln Ala
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Met Lys Gly Arg Phe Glu Glu Leu Ser Ala Trp Thr Glu Lys Gln Lys
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Glu Glu Arg Gln Phe Phe Glu Thr Gln Ser Lys Glu Ala Lys Glu Arg
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100 105 110

Lys Leu Lys Gly Lys Ser Glu Arg Ser Ser Glu Asp Pro Thr Asp Asp
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Ser Arg Leu Pro Arg Ala Glu Ala Glu Gln Glu Lys Asp Gln Leu Arg
130 135 140

Thr Gln Val Thr Arg Leu Gln Ala Glu Lys Ala Asp Leu Leu Gly Ile
145 150 155 160

Val Ser Glu Leu Gln Leu Lys Leu Asn Ser Ser Gly Ser Ser Glu Asp
165 170 175

UCT0046P2 sequence.txt

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Lys Glu Ile Lys His Ser Pro Gly Pro Thr Arg Thr Val Ser Ile Gly
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Thr Ser Arg Ser Ala Glu Gly Ala Lys Asn Tyr Leu Glu His Glu Glu
210 215 220

Leu Thr Val Ser Gln Leu Leu Leu Cys Leu Arg Glu Gly Asn Gln Lys
225 230 235 240

Val Glu Arg Leu Glu Ile Ala Leu Lys Glu Ala Lys Glu Arg Val Ser
245 250 255

Asp Phe Glu Lys Lys Ala Ser Asn Arg Ser Glu Ile Glu Thr Gln Thr
260 265 270

Glu Gly Ser Thr Glu Lys Glu Asn Glu Glu Glu Lys Gly Pro Glu Thr
275 280 285

Val Gly Ser Glu Val Glu Ala Leu Asn Leu Gln Val Thr Ser Leu Phe
290 295 300

Lys Glu Leu Gln Glu Ala His Thr Lys Leu Ser Glu Ala Glu Leu Met
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Ala Thr Pro Ser Glu Leu Asn Glu Lys Gln Glu Leu Val Tyr Thr Asn
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Lys Lys Leu Glu Leu Gln Val Glu Ser Met Leu Ser Glu Ile Lys Met
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Glu Gln Ala Lys Thr Glu Asp Glu Lys Ser Lys Leu Ala Met Leu Gln
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Leu Thr His Asn Lys Leu Leu Gln Glu His Asn His Ala Leu Lys Thr
385 390 395 400

Ile Glu Glu Leu Thr Arg Lys Glu Ser Glu Lys Val Asp Arg Ala Val
405 410 415

Leu Lys Glu Leu Ser Glu Lys Leu Glu Leu Ala Glu Lys Ala Leu Ala
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UCT0046P2 sequence.txt

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Tyr Cys Ser Asp Phe His Ala Glu Arg Ala Ala Arg Glu Lys Ile His
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Glu Glu Lys Glu Gln Leu Ala Leu Gln Leu Ala Val Leu Leu Lys Glu
485 490 495

Asn Asp Ala Phe Glu Asp Gly Gly Arg Gln Ser Leu Met Glu Met Gln
500 505 510

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Val Gln Arg Gly Thr Glu Asp Arg Asp Trp Gln Gln Gln Arg Asn Ile
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UCT0046P2 sequence.txt

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<309> 2002-03-30

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Leu Met Ala Leu Ser His Glu Asn Glu Lys Leu Lys Glu Glu Leu Gly
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Lys Leu Lys Gly Lys Ser Glu Arg Ser Ser Glu Asp Pro Thr Asp Asp
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Ser Arg Leu Pro Arg Ala Glu Ala Glu Gln Glu Lys Asp Gln Leu Arg
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Thr Gln Val Thr Arg Leu Gln Ala Glu Lys Ala Asp Leu Leu Gly Ile
145 150 155 160

Val Ser Glu Leu Gln Leu Lys Leu Asn Ser Ser Gly Ser Ser Glu Asp
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Ser Phe Val Glu Ile Arg Met Ala Glu Gly Glu Ala Glu Gly Ser Val
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Lys Glu Ile Lys His Ser Pro Gly Pro Thr Arg Thr Val Ser Ile Gly
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Thr Ser Arg Ser Ala Glu Gly Ala Lys Asn Tyr Leu Glu His Glu Glu
210 215 220

Leu Thr Val Ser Gln Leu Leu Leu Cys Leu Arg Glu Gly Asn Gln Lys
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UCT0046P2 sequence.txt

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 Page 24

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UCT0046P2 sequence.txt

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Cys Glu Thr Pro Gly Asn Gly Pro Ser Asn Met Val His Pro Asn Leu
 20 25 30

Asp Thr Phe Thr Pro Glu Glu Leu Leu Gln Gln Met Lys Glu Leu Leu
 35 40 45

Val Glu Asn His Gln Leu Lys Glu Ala Met Lys Leu Asn Asn Gln Ala
 50 55 60

Met Lys Gly Arg Phe Glu Glu Leu Ser Ala Trp Thr Glu Arg Gln Lys
 65 70 75 80

UCT0046P2 sequence.txt

Glu Glu Arg Gln Leu Phe Glu Ile Gln Ser Lys Glu Ala Lys Glu Arg
 85 90 95
 Leu Lys Ala Leu Ser His Glu Asn Glu Arg Leu Lys Glu Glu Leu Gly
 100 105 110
 Lys Leu Lys Glu Lys Ser Glu Arg Pro Phe Glu Asp Ile Thr Gly Arg
 115 120 125
 Cys Gly Phe Pro Arg Thr Asp Leu Glu Gln Glu Val Gly Ala Thr Glu
 130 135 140
 Glu Ala Gly Gly Ala Gly Ser Gly Ala Ser Glu Asp Pro Gly Glu Ala
 145 150 155 160
 Pro Ser Gly Leu Arg Lys Arg Thr Leu Leu Gly His Ser Ser Gln Thr
 165 170 175
 Ala Ala Gln Ala Gln Leu Arg Arg Leu Leu Arg Arg Leu Leu Arg Gly
 180 185 190
 Asp Arg Met Thr Glu Gly Glu Ala Glu Gly Ala Met Lys Glu Met Arg
 195 200 205
 Asn Ser Ala Gly Pro Thr Arg Thr Asp Ser Ile Ile Met Gly Lys Cys
 210 215 220
 Thr Glu Asp Ala Arg Thr Cys Val Glu Phe Glu Glu Leu Thr Val Ser
 225 230 235 240
 Gln Leu Leu Leu Cys Leu Arg Glu Gly Asn Gln Lys Val Glu Arg Leu
 245 250 255
 Glu Ile Ala Leu Arg Glu Ala Lys Glu Arg Ile Ser Asp Phe Glu Lys
 260 265 270
 Lys Ala Asn Gly His Ser Ala Ile Glu Thr Gln Thr Glu Gly Ser Thr
 275 280 285
 Gln Lys Glu Glu Glu Asp Lys Asp Pro Glu Ser Val Gly Ile Glu Val
 290 295 300
 Glu Thr Leu Asn Val Gln Val Ala Ser Leu Phe Lys Gly Leu Gln Glu
 305 310 315 320
 Ala His Thr Lys Leu Ser Glu Ala Glu Leu Met Lys Lys Arg Leu Gln
 325 330 335

UCT0046P2 sequence.txt

Glu Lys Cys Gln Ala Leu Glu Arg Lys Asn Ser Ala Thr Pro Ser Glu
340 345 350

Leu Asn Glu Lys Gln Glu Leu Val Tyr Ser Asn Trp Lys Leu Glu Leu
355 360 365

Gln Val Glu Ser Met Arg Ser Glu Ile Lys Met Glu Gln Ala Lys Thr
370 375 380

Glu Glu Glu Lys Ser Arg Leu Ala Thr Leu Gln Ala Thr His Asp Lys
385 390 395 400

Leu Leu Gln Glu His Asn Lys Ala Leu Arg Thr Ile Glu Glu Leu Thr
405 410 415

Lys Gln Gln Ala Glu Lys Val Asp Lys Val Gln Leu Gln Glu Leu Ser
420 425 430

Glu Lys Leu Glu Leu Ala Glu Gln Ala Leu Ala Ser Lys Gln Leu Gln
435 440 445

Met Asp Glu Met Lys Gln Thr Ile Ala Lys Gln Glu Glu Asp Leu Glu
450 455 460

Thr Met Ala Val Leu Arg Ala Gln Met Glu Val Tyr Cys Ser Asp Phe
465 470 475 480

His Ala Glu Arg Ala Ala Arg Glu Lys Ile His Glu Glu Lys Glu Gln
485 490 495

Leu Ala Leu Gln Leu Ala Ile Leu Leu Lys Glu Asn Asn Asp Phe Glu
500 505 510

Asp Gly Gly Ser Arg Gln Ser Leu Met Glu Met Gln Cys Arg His Gly
515 520 525

Ala Arg Thr Ser Asp Ser Asp Gln Gln Ala Tyr Leu Phe Gln Arg Gly
530 535 540

Ala Lys Asp Met Ser Trp Gln His Gly Gln Gln Pro Arg Ser Ile Pro
545 550 555 560

Ile His Ser Cys Pro Lys Cys Gly Glu Val Leu Pro Asp Ile Asp Thr
565 570 575

Leu Gln Ile His Val Met Asp Cys Ile Ile

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 aataatcaag ctatgaaagg gcgatttgag gagctttcag cctggacaga gaagcagaag 240
 gaagaacgcc ttttttttga gaccagagc aaagaagcca aagagcgcct aacggctctg 300
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 gaatttgagg aattaactgt gagccagctc ctgctgtgtc taagggaagg aaaccagaag 720
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 acaaccctgt ttaaggagct tcaggaggct cacacgaaac tcagtgaagc tgagctcatg 960
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 cagatggagg tatactgttc tgactttcat gctgaaagag cagcaagaga gaagattcat 1440
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UCT0046P2 sequence.txt

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 caacagcaac aacagaatat tccaattcat tcttgcccca aatgtggaga agttctgcct 1680
 gacatagata cactactgat tcacgttacg gactgcatca ttttaagtgt gacattttac 1740
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Thr Glu Thr Thr Gly Asn Gly Pro Pro Thr Leu Ala His Pro Asn Leu
 20 25 30

Asp Thr Phe Thr Pro His Glu Leu Leu Gln Gln Met Arg Glu Leu Leu
 35 40 45

Ile Glu Asn His Gln Leu Lys Glu Ala Met Lys Leu Asn Asn Gln Ala
 50 55 60

Met Lys Gly Arg Phe Glu Glu Leu Ser Ala Trp Thr Glu Lys Gln Lys
 65 70 75 80

Glu Glu Arg Leu Phe Phe Glu Thr Gln Ser Lys Glu Ala Lys Glu Arg
 85 90 95

Leu Thr Ala Leu Ser Leu Glu Asn Glu Lys Leu Lys Gln Glu Leu Gly
 100 105 110

Lys Leu Lys Gly Lys Thr Glu Arg Ser Phe Glu Asp Leu Thr Gly Asp
 115 120 125

Pro Arg Val Pro Lys Ala Glu Ala Glu Gln Glu Val Glu Gln Leu Lys
 130 135 140

Thr Gln Val Ala Arg Leu Gln Ala Glu Lys Ala Asp Leu Leu Gly Ile
 145 150 155 160

UCT0046P2 sequence.txt

Val Ser Glu Leu Gln Leu Lys Leu Asn Ser Gly Gly Pro Ser Glu Asp
 165 170 175
 Ser Phe Val Glu Ile Arg Met Ala Glu Gly Glu Ala Asp Ala Ala Met
 180 185 190
 Lys Glu Ile Lys Thr Ser Pro Gly Pro Ile Arg Thr Asp Ser Ile Asp
 195 200 205
 Thr Ser Lys Ser Ala Glu Gly Thr Arg Asn Tyr Leu Glu Phe Glu Glu
 210 215 220
 Leu Thr Val Ser Gln Leu Leu Leu Cys Leu Arg Glu Gly Asn Gln Lys
 225 230 235 240
 Val Glu Arg Leu Glu Ile Ala Leu Lys Glu Ala Lys Glu Arg Ile Leu
 245 250 255
 Asp Phe Glu Lys Lys Ala Lys Asp Arg Ser Glu Thr Glu Thr Gln Thr
 260 265 270
 Glu Glu His Lys Glu Gln Glu Lys Glu Glu Glu Lys Ser Pro Glu Thr
 275 280 285
 Val Gly Ser Glu Val Glu Met Leu Asn Leu Gln Val Thr Thr Leu Phe
 290 295 300
 Lys Glu Leu Gln Glu Ala His Thr Lys Leu Ser Glu Ala Glu Leu Met
 305 310 315 320
 Lys Lys Arg Leu Gln Glu Lys Cys Gln Ala Leu Glu Arg Lys Asn Ser
 325 330 335
 Ala Thr Pro Ser Glu Leu Asn Glu Lys Gln Glu Leu Leu Tyr Asn Asn
 340 345 350
 Lys Lys Leu Glu Leu Gln Val Glu Ser Met Arg Ser Glu Ile Lys Met
 355 360 365
 Glu Gln Ala Lys Thr Glu Glu Glu Lys Ser Lys Leu Thr Thr Leu Gln
 370 375 380
 Leu Thr His Asn Arg Leu Leu Gln Glu Tyr Asn Asn Ala Leu Lys Thr
 385 390 395 400
 Ile Glu Glu Leu Lys Arg Arg Glu Ser Glu Lys Val Asp Lys Val Val
 405 410 415

UCT0046P2 sequence.txt

Leu Gln Glu Leu Asn Gly Lys Leu Glu Met Ala Glu Lys Ala Leu Ala
420 425 430

Ser Lys Gln Leu Gln Met Asp Glu Met Lys Gln Thr Ile Ala Lys Gln
435 440 445

Glu Lys Asp Leu Glu Thr Met Ala Val Leu Arg Ala Gln Met Glu Val
450 455 460

Tyr Cys Ser Asp Phe His Ala Glu Arg Ala Ala Arg Glu Lys Ile His
465 470 475 480

Glu Glu Lys Glu Gln Leu Ala Leu Gln Leu Ala Val Leu Leu Lys Asp
485 490 495

Asp Asn Ala Phe Glu Glu Gly Ala Ser Arg Gln Ser Leu Met Glu Met
500 505 510

Gln Ser Arg His Gly Ala Arg Ala Ser Asp Ala Asp Gln Gln Ala Phe
515 520 525

Leu Val Gln Arg Gly Ala Glu Asp Arg Asn Trp Leu Gln Gln Gln Gln
530 535 540

Gln Asn Ile Pro Ile His Ser Cys Pro Lys Cys Gly Glu Val Leu Pro
545 550 555 560

Asp Ile Asp Thr Leu Leu Ile His Val Thr Asp Cys Ile Ile
565 570